(b) if so, the details thereof;

(c) whether Government propose to set up the power plant in Assam during the Ninth Five Year Plan; and

(d) by when the aforesaid power plant is likely to be set up?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRIMATI JAYAWANTI MEHTA): (a) to (d) A detailed project report for 1 × 38 MW Waste Heat Recovery unit to be installed at Lakhwa (Assam) has been received by the Central Electricity Authority (CEA) from the Assam State Electricity Board for the existing 3 × 20 MW Gas Turbines. The estimated cost of the project is Rs. 176.00 crore. Though this project is not targeted for capacity addition during the Ninth Plan, it is expected to be commissioned within 21months from the date of placement of order after the project is approved.

Power shortage in the country

†263. SHRI RAMJI LAL: Will the Minister of POWER be pleased to state:

(a) the shortage of power in the country at present;

(b) what is the increase in demand for power every year in the country, alongwith the efforts made so far by Government to meet this demand;

(c) what is the location-wise number of plants set up during the last three years to meet the requirement of power and to what extent such requirement would be met by these plants; and

(d) what are the details of future plans in this regard?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRIMATI JAYAWANTI MEHTA): (a) Requirement and

†Original Notice of the Question was received in Hindi.

availability of energy during 1997-98, 1998-99 and April-October, 1999 is given below:

(Figs. in MU)

	1997-98	1998-99	April to Oct., 99
Requirement	424505	446584	271851
Availability	390330	420335	258743
Deficit/shortage	34175	26349	13108
(%) Deficit	8.1	5.9	4.8

(b) Energy requirement has increased from 424505 MU during 1997-98 to 446584 MU during 1998-99. Energy requirement has increased from 253653 MU during April—October, 1998 to 271851 MU during April—October, 1999.

The following steps have been taken to meet the shortage and to improve availability of power in the country:—

* Incremental capacity addition programme.
* Promotion of Inter-State and inter-Regional power transfers.
* Renovation and Modernisation (R&M) of existing generation stations.
* Coordinated operation of hydro, thermal, nuclear and gas turbine power stations in the regional power system.
* Promotion of measures for Demand side management such as flattening of load curve by staggering of weekly-off day of industrial consumers and regulation of power supply to agricultural consumers through grouping restrictions and energy conservation.
* Augmentatioin of transmission and transformation capacity in the power system.
* Reduction of transmission and distribution losses.

(c) During the last three years, the projects having a total capacity of 9152.7 MW comprising 1436 MW from hydro projects and 7716.7 MW from thermal projects have been commissioned in the country.

The year-wise details of the thermal & hydro projects are enclosed in Statement-I & II. (*See* below).

(d) Based on the Mid-Term Appraisal, a capacity of 20,628 MW is likely to be added in the remaining three years of the 9th Five Year Plan (1999-2002). Region-wise details are given below:—

	Total Installed Capacity (MW)	Benefits 1999-2002 (MW)
Northern Region	7589.5	6629.5
Western Region	7788.5	6028.5
Southern Region	6867.5	5737.7
Eastern Region	1613.0	1590.5
N.E. Region	702.5	642.5
ALL INDIA		20628.7

Statement-I

Thermal units commissioned during 1996-97

S. No.	Name of project/unit No.	State/Organisation	Capacity (MW)
1.	Jegurupadu GT-I	AP/GVK IND.	52.8
2.	Tenughat-2	Bih./TVNL	210
3.	Kathalguri GT-6	Assam/NEEPCO	33.5
4.	Jegurupadu GT-2	AP/GVK IND.	52.8
5.	Jegurupadu GT-3	AP/GVK IND.	52.8
6.	Godavari GT-2	AP/SPECTRUM	47
7.	Godavari GT-3	AP/SPECTRUM	47
8.	Rokhia PH-2 GT-5	Tripura	8
9.	Mejia-2	WB-DVC	210
10.	Kothagudem-9	AP/APSEB	250
	TOTAL		963.9

Thermal units commissioned during 1997-98

S. No.	Name of project/unit No.	State/Organisation	Capacity (MW)
1.	Kutch Lignite-3	Gujarat/GEB	75
2.	Brahmapuram DG-1	Kerala/KSEB	20
3.	Hazira ST	Gujarat/ESSAR	185
4.	Jegurupadu ST	AP/GVK IND.	77
5.	Godavari GT-1	AP/SPECTRUM	47
6.	Rokhia GT-6	Tripura	8
7.	Brahmapuram DG-2	Kerala/KSEB	20
8.	Budge-Budge 1	WB/CESC	250
9.	Chandrapur-7	Mah/MSEB	500
10.	Brahmapuram DG-3	Kerala/KSEB	20
11.	Brahmapuram DG-4	Kerala/KSEB	20
12.	GHTP Bhatinda-1	Punjab/PSEB	210
13.	Agartala GT-1	Tripura/NEEPCO	21
14.	Agartala-GT-2	Tripura/NEEPCO	21
15.	Tanda-4	UP/UPSEB	110
16.	Kathalguri ST-1	Assam/NEEPCO	30
17.	Gandhinagar-5	Gujarat/GSECL/ GEB	210
18.	Mejia-3	WB/DVC	210
19.	Kathalguri ST-2	Assam/NEEPCO	30
20.	Agartala GT-3	Tripura/NEEPCO	21
21.	Godavari ST	AP/SPECTRUM	67
	SUB-TOTAL		2152

Units envisaged subsequently but commissioned during 1997-98

1.	Peguthan GT-1	Guj./Guj. Torrent	135
2.	Peguthan GT-2	Guj./Guj. Torrent	135
3.	Peguthan GT-3	Guj./Guj. Torrent	135
4.	Vijjeswaram ST	AP/AP Gas Power	59.8
5.	Adarntilla GT-1	Assam/DLF Power	3
6.	Adarntilla GT-1	Assam/DLF Power	3
7.	Adarntilla ST	Assam/DLF Power	3

S. No.	Name of project/unit No.	State/Organisation	Capacity (MW)
8.	Baskhandi GT-1	Assam/DLF Power	3.5
9.	Gaskhandi GT-2	Assam/DLF Power	3.5
10.	Baskhandi GT-3	Assam/DLF Power	3.5
11.	Baroda GT-1	Guj./GIPCLJ	167
12.	Baroda ST-1	Guj./GIPCLJ	—
13.	Kothagudaem-10	AP/APSEB	250
	SUB-TOTAL		901.3
	GRAND TOTAL		3053.3

Thermal Units Commissioned during 1998-99

1.	Suratgarh U-1	Raj/RSEB	250
2.	Banaskandi ST	Assam/DLF/Power	5
3.	Agartala GT-4	Tripura/NEEPCO	21
4.	Kathalguri ST-3	Assam/NEEPCO	30
5.	Paguthan ST	Guj./Guj. Torrent	250
6.	GHTP Bhatinda U-2	Punjab/PSEB	210
7.	Karaikal GT	Pondicherry/PPCL	22.9
8.	Brahmapuram DG-5	Kerala/KSEB	20
9.	Kayamkulam GT-1	Kerala/NTPC	115.3
10.	Dabhol GT-1	Mah/Dabhol PC	740
11.	Dabhol GT-2	Mah/Dabhol PC	
12.	Dabhol ST	Mah/Dabhol PC	
13.	Wanakbori TPS U-7	Guj/GEB	210
14.	Basin Bridge DG-3	TN/GMR Vasavi	50
15.	Basin Bridge DG-4	TN/GMR Vasavi	50
16.	Torangallu U-1	Karnataka/Jindal	130
17.	Basin Bridge DG-1	TN/GMR Vasavil	50
18.	Basin Bridge DG-2	TN/GMR Vasavi	50
19.	Budge-Budge U-2	WB/CESC	250
	SUB TOTAL (A):		2454.2

Units commissioned which were not included in the commissioning programe of 1998-99 year

1.	Unchahar-3	UP/NTPC	210
2.	Raichur-5	Karnataka/KPCL	210

S. No.	Name of project/unit No.	State/Organisation	Capacity (MW)
3.	Birsingpur-3 (Sanjay Gandhi TPP)	MP/MPEB	210
4.	Kayamkulam GT-2	Kerala/NTPC	115.3
5.	Vindhyachal-7	MP/NTPC	500
	Sub Total (B):		1245.3
	GRAND TOTAL (A+B):		3699.5

Statement-II

Hydel Units Commissioned in 1996-97

Sr. No.	Name of the Project/I.C./State	Unit No.	Capacity (MW)
	CENTRAL SECTOR		
1.	Uri (4×120 MW)(NHPC)(J&K)	1 to 4	4×120
2.	Kopili Extn. (2×50 MW) (ASSAM) (NEEPCO)	1 to 2	2×50
	STATE SECTOR		
3.	Gaj (3×3.5 MW)(H.P.)	1 to 3	3×3.5
4.	Dimbhe (1×5 MW)(Mah)	1	5
5.	Lower Periyar (3×60MW)(Ker.)	3	60
6.	Eastern Gandak Canal (3×5 MW)(Bihar)	2	5
	TOTAL	12 Units	660.5 MW

Hydel Units Commissioned in 1997-98

Sl.No.	Name of the project	State	Unit No.	Capacity(MW)
UNITS COMMISSIONED				
1.	Warna	Mah.	1	8.0
2.	Kalinadi-II	Ktk.	1	50.0
3.	Lower Periyar	Kerala	2&3	2x60.0
4.	Lower Bhavani Dam RBC	TN	1&2	2x4.0
5.	Eastern Gandak	Bihar	3	5.0
6.	Teesta Canal Falls PH-1	WB	1 to 3	3x7.5
	PH-2	WB	1	7.5
7.	Nuranang	Ar.Pr.	1 to 3	3x2.0
8.	Bhadra RBC	Ktk.	1*	6.0
		TOTAL		233.0

*Advanced from the programme of 1998-99

Hydel units commissioned in 1998-99

1.	Warna	Mah.	2	8.0
2.	Kadana	Guj.	2	60.0
3.	Kalinadi II (Kodasali)	Ktk	1&2	2x40.0
	(Kadra)	Ktk.	2&3	2x50.0
4.	Teesta Canal Falls	WB	2&3	2x7.5
5.	Sobla	U.P.	1&2	2x3.0
6.	Poringalkuthu L.B. Extn.	Kerala	1	16.0
7.	Sathanur Dam	T.N.	1	7.5
8.	Koyna St.IV	Mah.	4*	250.0
		TOTAL:		542.5

*Advanced from the programme of 1998-99

Power production target during ninth plan

†264. SHRI KAPIL SIBAL:
SHRI RAJ MOHINDER SINGH:

Will the Minister of POWER be pleased to state:

(a) whether it is a fact that the target of power production at the end of Ninth Five Year Plan is not likely to be achieved;

†Original notice of the question was received in Hindi.